9. ☐ Other .

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Examiner acknowledges the receipt of replacement sheet of Figure 1, and the drawing has been approved.

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alan Kopecki on 3/3/2006.

The application has been amended as follows:

## In the Claims:

Insert -- of paper -- after "web", line 3, claim 1.

Insert -- of paper -- after "web", line 5, claim 1.

Insert -- of paper -- after "web", line 13, claim 1.

Insert -- including sensors and an output -- after "device", line 14, claim 1.

Insert -- feeding speed of the flexible web of paper by controlling -- after "controls", line 14, claim 1.

Delete "at least", line 17, claim 1.

Replace "paper speed", line 18, claim 1, with -- feeding speed of the flexible web of paper --.

Replace "claim 3", line 1, claim 3, with -- claim 2 ---.

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Replace "the speed of paper web feed", line 11, claim 22, with -- feeding speed of the flexible web of paper--.

Replace "varying the speed.....paper web speed.", lines 12-13, claim 22 with -- varying level of power of the laser beam between multiple levels greater than zero, and varying rotation speed of the multi-faceted mirror as a function of variances in the feeding speed of the flexible web of paper such that a predetermined number of holes per inch is burned in said flexible web of paper. --.

## **REASONS FOR ALLOWANCE**

1. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose the claimed system for controlling a process for perforating a flexible web, including: a supply spindle of the flexible web mounted for powered angular rotation at variable speed, a take-up spindle for receiving a portion of the flexible web from the supply spindle mounted for powered angular rotation at variable speed, a control device that controls feeding speed of the flexible web of paper by controlling the angular rotation speed of the supply spindle and the take-up spindle, and varies the level of power supplied to the laser beam generator between multiple levels greater than zero, as a function of the feeding speed of the flexible web of paper in response to sensor inputs and control output. Regarding claim 22, varying the rotations of the multi-faceted mirror, and varying level of power of the laser beam between multiple levels greater than zero as a function of variances in the feeding speed of the flexible web of paper such that a predetermined number of holes per inch is burned in said flexible web of paper.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hemant M. Desai whose telephone number is (571) 272-4458. The examiner can normally be reached on 7:00 AM-5: 30 PM, Mon-Thurs...

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi I. Rada can be reached on (571) 272-4467. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). Hamant M. Desay.

Hemant M Desai

Examiner

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**HMD** 

REPLACEMENT SHEET
Appln. Filing Date: August 28, 2003
Title: HIGH SPEED LASER PERFORATION OF
DIGARETTE TIPPING PAPER
Inventor(s): Marc D. Belcastro et al.
Appln. No.: 10/649,789 Sheet 1 of Sheet 1 of 1 FEB 1 3 2006 A RADEMI PROGRAMMABLE 23 CONTROLLER (PLC) 2: approved MOTION CONTROLLER 62 94x 62 HIGH SPEED ANALOG CONTROL  $\frac{22}{2}$ 55 .94x 67 26 HIGH SPEED DIGITAL 65 940  $\Sigma$ 31b 52 8 REWIND DRIVE 35, 31d ONMIND DRIVE 24 VOLTAGE POWER SOURCE 32a